BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Estimate for Improvements to Parks and Providing Chairs in ward No. 11 (Kuvempunagra), Vidyaranyapura Sub Division.*

Job Code: 011-20-000013

Estimated Cost: Rs. 20.00 Lakh(s)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Parks and Providing Chairs in ward No. 11 (Kempunagra), Vidyaranyapura Sub Division.

			Estimate Cost Rs.						**2000000.00**
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
	For Leveling		1	35.00	21.00	0.25	183.75		
	For Chain Link Fencing		2	45.00	1.00	1.00	90.00		
			2	30.00	1.00	0.95	57.00		
	For Pathway		2	28.00	2.00	0.15	16.80		
			2	17.00	2.00	0.15	10.20		
	Basic Rate	130.00					**357.75**	243.88	**87248.00**
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		243.88							
2	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation** including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **(Page No. 13 / Item No. 4.2 PWD SR 2018-19**	Cum							
	Chain Link Fencing		2	45.00	1.00	0.15	13.50		
			2	30.00	1.00	0.15	9.00		
	Basic Rate	5194.00					**22.50**	5505.64	**123877.00**
	Area Weightage @ 6%	311.64							
	Total	**5505.64**							
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 25 / Item No. 5.6. PWD SR 2018-19**	Cum							
	Chain Link Fencing		2	45.00	0.75	0.60	40.50		
			2	30.00	0.75	0.60	27.00		
	Basic Rate	4596.00					**67.50**	4871.76	**328844.00**
	Area Weightage @ 6%	275.76							
	Total	**4871.76**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 25 / Item No. 5.9. PWD SR 2018-19**	Cum							
	Chain Link Fencing		2	45.00	0.45	0.45	18.23		
			2	30.00	0.45	0.45	12.15		
	Basic Rate	5483.00					**30.38**	5811.98	**176539.00**
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							
5	KSRB 15.1.3 Providing **ruled pointing 20 mm deep** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 115 / Item No. 15.3, PWD SR 2018-19**	Sqm							
	Chain Link Fencing		2x2	45.00		0.60	108.00		
			2x2	30.00		0.60	72.00		
	Basic Rate	142.00					**180.00**	150.52	**27094.00**
	Area Weightage @ 6%	8.52							
	Total	**150.52**							
6	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.6 PWD SR 2018-19**	Cum							
	Chain Link Fencing		2	45.00	0.45	0.10	4.05		
			2	30.00	0.45	0.10	2.70		
	Basic Rate	5422.00					**6.75**	5747.32	**38794.00**
	Area Weightage @ 6%	325.32							
	Total	**5747.32**							
7	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) **Page No. 266 / Item No. 37.2, PWD SR 2018-19**	m							
	For Chain Link Fenicing		2x19	2.40			91.20		
			2x13	2.40			62.40		
	Basic Rate	859.00					**153.60**	910.54	**139859.00**
	Area Weightage @ 6%	51.54							
	Total	**910.54**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. **Page No. 266 / Item No. 37.4, PWD SR 2018-19**	m							
	For Chain Link Fenicing		2x3	45.00			270.00		
			2x3	30.00			180.00		
	Basic Rate	408.00					**450.00**	440.64	**198288.00**
	Area Weightage @ 8%	32.64							
	Total	**440.64**							
9	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint **Page No. 266 / Item No. 37.3, PWD SR 2018-19**	Sqm							
	For Chain Link Fenicing		2	45.00		1.80	162.00		
			2	30.00		1.80	108.00		
	Basic Rate	715.00					**270.00**	772.20	**208494.00**
	Area Weightage @ 8%	57.20							
	Total	**772.20**							
10	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. **Page. No. 45 / Item. No. 7.37 PWD SR 2018-19**	Sqm							
	Gate		1	3.00	1.80		5.40		
	Basic rate	3012.00					**5.40**	3252.96	**17566.00**
	Add 8% AW	240.96							
	Total	**3252.96**							
11	KSRRB M2100 Filling the foundations KSRRB 2100-6. Filling the foundations trenches using approved sand as per drawing and technical specifications in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. MORTH Chapter 12 **Item No. 27.14 Page No. 221, PWD SR 2018-19**	cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	28.00	2.00	0.40	44.80		
			2	17.00	2.00	0.40	27.20		
	Basic rate	3039.00					**72.00**	3221.34	**231936.00**
	Add 6% AW	182.34							
	Total	**3221.34**							
12	KSRB 14.6-1: Providing and laying **heavy duty cobble stones 60mm thick interlock pavers**, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS. **(P.No. 103, I.No. 14.6 of PWD SR 2018-19)**	Sqm							
			2	28.00	2.00		112.00		
			2	17.00	2.00		68.00		
	Basic rate	1053.00					**180.00**	1116.18	**200912.00**
	Add 6% AW	63.18							
	Total	**1116.18**							
13	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete **Page No. 27 / Item No. 5.30 PWD SR 2018-19**	No							
			2	28.00			124		
				0.45					
			2	17.00			76		
				0.45					
	Basic Rate	8.00					**200**	8.48	**1696.00**
	Area Weightage @ 6%	0.48							
	Total	**8.48**							
14	KSRB 15-19.1 : Providing and applying ready mix priming coat **over concrete** / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 124 / Item No. Item No. 15.80, PWD SR 2018-19**	Sqm							
			2	28.00		0.35	19.60		
			2	17.00		0.35	11.90		
	Basic Rate	37.00					**31.50**	39.22	**1235.00**
	Area Weightage @ 6%	2.22							
	Total	**39.22**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.**Page No. 124 / Item No. Item No. 15.81, PWD SR 2018-19**	Sqm							
			Qty Vide Item No. 13				**31.50**	90.10	**2838.00**
	Basic Rate	85.00							
	Area Weightage @ 6%	5.10							
	Total	**90.10**							
	Sub Total								**1785220.00**
	GST @ 12%								**214226.00**
	Add for unforseen and rounding off	L/S							**554.00**
								Total	**2000000.00**
Rupees Twenty Lakh(s) Only									

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19 and Approved Rates.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

6/07
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
6/07 ಬೃ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

Administrative Approval

Accorded For Rs 20.00 lacks only
Head of A/C...P1771.....
CER NO :.....47..... **Dt:**10.07.2019

TA ICE (YNK)

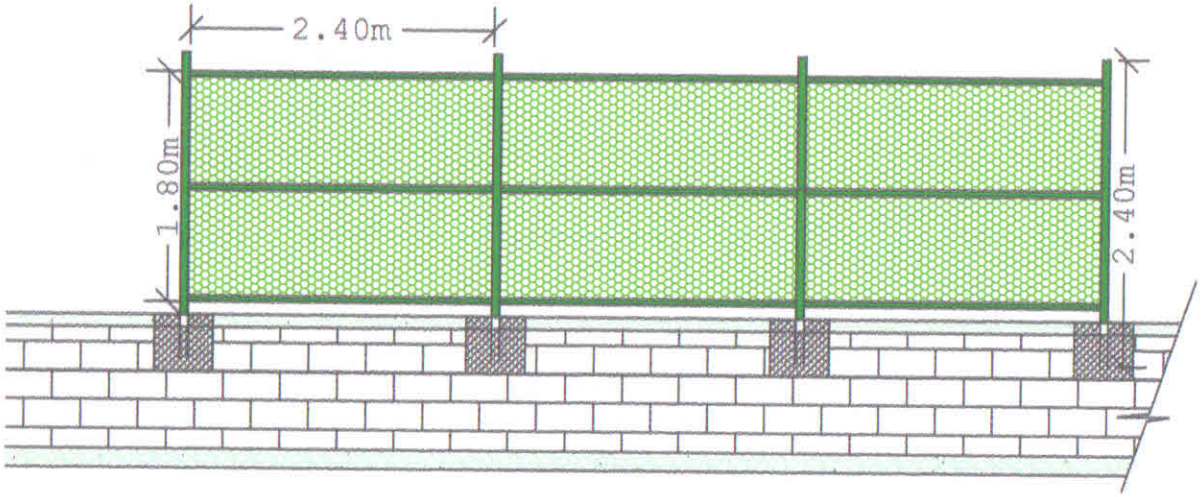
TECHNICAL SANCTION
Accorded For Rs. 20.00 lacks
Head of A/c. P1771
Div. Ref. No. 55 Date. 10.07.2019
AE 10/07
EE(BTP) 10/07

Name Of Work: Improvements to Parks and Providing Chairs in ward No. 11 (Kuvempunagra), Vidyaranyapura Sub Division.

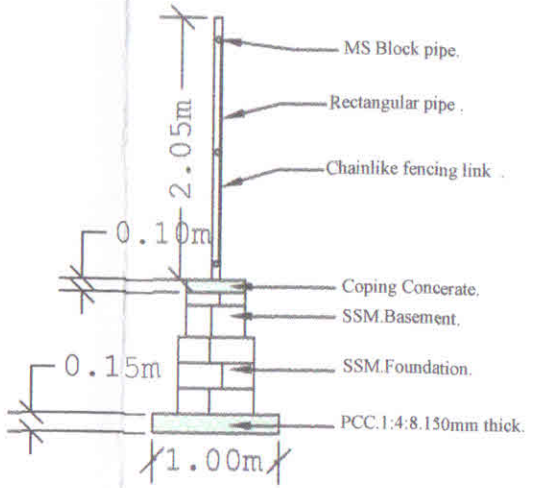
Assistant Engineer
Ward No.11

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer
Vidyaranyapura Sub Division.



ELEVATION OF CHAIN LINK FENCING .



CROSS SECTION OF CHAIN LINK FENCING .

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

152 - BYATARAYANAPURA AC
WARD NAME : 11 - KUVEMPU NAGAR

Assistant Executive Engineer
Vidyaranya... Sub Division
BBMP, Ba...-97